

MONTHLY CALCULATED PARAMETER WORKSHEET - January 2017

Parameter Code	Parameter Description & Data Source	Raw Data	Calculated Value
00011	Temperature, Effluent °F From Monthly Status Reports	Week 1 Average: 46 °F Week 2 Average: 56 °F Week 3 Average: 60 °F Week 4 Average: 64 °F Week 5 Average: 60 °F	57.2 °F (= average of raw data) 64 °F Monthly Max (from Monthly Status Reports)
00145	BOD ₅ Results from Lab analysis Flow results from Parameter Code 50500 (Avg)	BOD ₅ 5.8 mg/L 0.220 MGD	10.6 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)
	Results from Lab analysis Flow results from Parameter Code 50500 (Max Daily)	BOD ₅ 5.8 mg/L 0.346 MGD	16.7 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)
00400	pH From Monthly Status Reports	Minimum 7.9 SU Maximum 8.5 SU	

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00530	Total Suspended Solids							
	Results from Lab analysis	TSS	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>31</td><td>mg/L</td></tr> <tr><td>0.220</td><td>MGD</td></tr> </table> 56.8 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)	31	mg/L	0.220	MGD	
31	mg/L							
0.220	MGD							
	Flow results from Parameter Code 50500 (Avg)							
	Results from Lab analysis	TSS	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>31</td><td>mg/L</td></tr> <tr><td>0.346</td><td>MGD</td></tr> </table> 89.5 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)	31	mg/L	0.346	MGD	
31	mg/L							
0.346	MGD							
	Flow results from Parameter Code 50500 (Max Daily)							
00610	Ammonia (as N)	NODI						
	Results from Lab analysis	Ammonia	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>0.67</td><td>mg/L</td></tr> <tr><td>0.220</td><td>MGD</td></tr> </table> 1.23 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)	0.67	mg/L	0.220	MGD	
0.67	mg/L							
0.220	MGD							
	Flow results from Parameter Code 50500							
00630	Nitrite plus Nitrate							
	Results from Lab analysis	Nitrite	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>0.01</td><td>(a) mg/L</td></tr> <tr><td>12.6</td><td>(b) mg/L</td></tr> </table> 12.61 mg/L (= a + b)	0.01	(a) mg/L	12.6	(b) mg/L	
0.01	(a) mg/L							
12.6	(b) mg/L							
	Results from Lab analysis	Nitrate						
00745	Sulfide, total	NODI						
	Results from Lab analysis	Sulfide	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>< 0.05</td><td>mg/L</td></tr> <tr><td>0.220</td><td>MGD</td></tr> </table> 0.092 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)	< 0.05	mg/L	0.220	MGD	
< 0.05	mg/L							
0.220	MGD							
	Flow results from Parameter Code 50500 (Avg)							
	Results from Lab analysis	Sulfide	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>< 0.05</td><td>mg/L</td></tr> <tr><td>0.346</td><td>MGD</td></tr> </table> 0.144 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)	< 0.05	mg/L	0.346	MGD	
< 0.05	mg/L							
0.346	MGD							
	Flow results from Parameter Code 50500 (Max Daily)							

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01034	Chromium, total	NODI							
	Results from Lab analysis	Chromium	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>9</td></tr> <tr><td>0.003</td></tr> <tr><td>0.220</td></tr> </table> mg/L MGD	9	0.003	0.220	0.005 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)		
9									
0.003									
0.220									
	Flow results from Parameter Code 50500 (Avg)								
	Results from Lab analysis	Chromium	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>0.003</td></tr> <tr><td>0.346</td></tr> </table> mg/L MGD	0.003	0.346	0.009 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)			
0.003									
0.346									
	Flow results from Parameter Code 50500 (Max Daily)								
01034	Phenols	NODI							
	Results from Lab analysis	Phenolics	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>< 0.015</td></tr> <tr><td>0.220</td></tr> </table> mg/L MGD	< 0.015	0.220	0.027 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)			
< 0.015									
0.220									
	Flow results from Parameter Code 50500 (Avg)								
	Results from Lab analysis	Phenolics	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>< 0.015</td></tr> <tr><td>0.346</td></tr> </table> mg/L MGD	< 0.015	0.346	0.043 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)			
< 0.015									
0.346									
	Flow results from Parameter Code 50500 (Max Daily)								
50050	Flow								
	From Monthly Status Reports	Week 1 Average:	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>264061</td></tr> <tr><td>197285</td></tr> <tr><td>195528</td></tr> <tr><td>223610</td></tr> <tr><td>217715</td></tr> </table> gal/d	264061	197285	195528	223610	217715	Week 1 average includes Week 6
264061									
197285									
195528									
223610									
217715									
		Week 2 Average:							
		Week 3 Average:							
		Week 4 Average:							
		Week 5 Average:							
				0.220 MGD (= average of raw data/1,000,000)					
				0.346 MGD Monthly Max (from Monthly Status Reports)					

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Parameter Code	Parameter Description & Data Source	Raw Data	Calculated Value
51040	e-Coli (April - Oct)	NODI	
	Results from Lab analysis	Week 1 Result: Week 2 Result: Week 3 Result: Week 4 Result: Week 5 Result:	9 CFU/100mL CFU/100mL CFU/100mL CFU/100mL CFU/100mL
			CFU/100mL (= average of raw data/1,000,000)
81017	Chemical Oxygen Demand	NODI	
	Results from Lab analysis	COD	
	Flow results from Parameter Code 50500 (Avg)		170 mg/L 0.220 MGD
			311 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)
	Results from Lab analysis	COD	
	Flow results from Parameter Code 50500 (Max Daily)		170 mg/L 0.346 MGD
			491 lb/d (= concentration(mg/L) x flow(MGD) x 8.34)